OMB No. 0651-0011

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 53934US010	Serial No.: Divisional of 09/228,712
	Applicant(s): William E. Foltz, Robert A. Asmus and Ronald G. Lulich	
	Filing Date: December 11, 2001	Group: 1651

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
RG		3,239,429	03/08/66	Menolasino et al.	195	54	
		3,440,144	04/22/69	Andersen	195	103.5	
		3,661,717	05/09/72	Nelson	195	103.5	
		4,115,068	09/19/78	Josyln	422	56	
		4,145,186	03/20/79	Andersen	23	232	
		4,240,926	12/23/80	McNeely	252	408	
		4,304,869	12/08/81	Dyke	435	296	
		4,580,682	04/08/86	Gorski et al.	206	569	
		4,594,223	06/10/86	Dyke et al.	422	56	
		4,596,696	06/24/86	Scoville, Jr.	422	61	
		4,636,472	01/13/87	Bruso	435	287	
		4,642,165	02/10/87	Bier	203	12	
		4,643,876	02/17/87	Jacobs et al.	422	23	
		4,650,479	03/17/87	Insley	604	358	
		4,692,307	09/08/87	Bruso	422	58	
		4,699,765	10/13/87	Hambleton	422	57	
		4,739,881	04/26/88	Bruso	206	305	
		4,797,255	01/10/89	Hatanaka et al.	422	28	
		4,756,882	07/12/88	Jacobs et al.	422	23	
		4,828,797	05/09/89	Zwarun et al.	422	55	
		4,839,291	06/13/89	Welsh et al.	435	296	
		4,863,688	09/05/89	Schmidt et al.	422	28	
		5,073,488	12/17/91	Matner et al.	435	31	
		5,084,239	01/28/92	Moulton et al.	422	22	
		5,115,166	05/19/92	Campbell	315	111.21	
		5,178,829	01/12/93	Moulton et al.	422	23	
		5,184,046	02/02/93	Campbell	315	111.21	
		5,217,901	06/08/93	Dyckman	435	291	
✓		5,223,401	06/29/93	Foltz et al.	435	18	
		5,252,484	10/12/93	Matner et al.	435	288	

EXAMINER	Date Considered
R GITOMER	12/18/03

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
RG		5,389,336	02/14/95	Childers	422	28	
		5,405,580	04/11/95	Palmer	422	28	
		5,418,167	05/23/95	Matner et al.	435	288	
		5,482,684	01/09/96	Martens et al.	422	119	
		5,486,459	01/23/96	Burnham et al.	435	31	
		5,500,184	03/19/96	Palmer	422	2	
		5,516,648	05/14/96	Malchesky et al.	435	31	
		5,552,320	09/03/96	Smith	435	287.4	
		5,667,753	09/16/97	Jacobs et al.	422	29	
		5,674,450	10/07/97	Lin et al.	422	29	
		5,739,004	04/14/98	Woodson	435	31	
		5,770,393	06/23/98	Dalmasso et al.	422	31	
		5,785,934	07/28/98	Jacobs et al.	427	29	
		5,788,941	08/04/98	Dalmasso et al.	422	33	
		5,795,730	08/18/98	Tautvydas	435	31	
		5,801,010	09/01/98	Falkowski et al.	435	31	
		5,830,683	11/98	Hendricks et al.	435	31	
		5,856,118	01/05/99	Dalmasso	435	31	
		5,866,356	2/99	Albert et al.	435	31	

EXAMINER	Date Considered
R GLITTMAN	12/18/03

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FOREIGN PATENT DOCUMENTS

		Document Number	Date of Publication	Country	Class	SubClass	Translation Yes	Translation No
NB		WO 94/28164	12/08/94	PCT				
		WO 97/26924	07/31/97	PCT				
		WO 98/46994	10/22/98	PCT				
		0 254 428 A	01/27/88	EPO				
		0 255 229 A2	02/03/88	EPO				
		0 419 282 B1	03/27/91	EPO				
		0 421 760 A1	04/10/91	EPO				
		0 421 760 B1	03/23/94	Europe				
		0 638 650 A1	02/15/95	Europe				
		0 707 186 A1	04/17/96	Europe				
		676743	12/20/94	AU				
		62/115266 (English Abstract)	05/26/87	JP				
		62/205748 (English Abstract)	09/10/87	JP				
		62/205750 (English Abstract)	09/10/87	JP				
		62/253357 (English Abstract)	11/05/87	JP				
		63/079579 (English Abstract)	04/09/88	JP				
		63/275517 (English Abstract)	11/14/88	JP				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

NB		Alfa et al., "Comparison of Ion Plasma, Vaporized Hydrogen Peroxide, and 100% Ethylene Oxide Sterilizers to the 12/88 Ethylene Oxide Gas Sterilizer", *Infection Control and Hospital Epidemiology*, Vol. 17, No. 2, February 1996, pp. 92-100
NB		Baker, et al., "Thermal Stabilization of Fungal ß-Glucosidase through Glutaraldehyde Crosslinking," *Biotechnology Letters*, vol. 10, No. 5, 325-330 (1988).

EXAMINER	Date Considered
R Gladner	12/8/03

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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)				
RG				Barbaric, et al., "Stabilization of Glycoenzymes by Cross-linking of Their Carbohydrate Chains," *Annals New York Academy of Sciences*, vol. 542, pp. 173-179 (1988).
				Corry, J., "The Effect of Sugars and Polyols on the Heat Resistance of Salmonellae," *J. Appl. Bact.*, vol. 37, pp. 31-43 (1974).
				Gottschalk, et al., "Chemically Crosslinked Lactate Dehydrogenase: Stability and Reconstitution after Glutaraldehyde Fixation," *Biotechnology and Applied Biochemistry*, vol. 9, No. 5, pp. 389-400 (Oct. 1987).
				Hoshino, et al., "A study on the thermostability of microencapsulated glucose oxidase," *J. Microencapsulation*, Vol. 6, No. 2, pp. 205-211 (1989).
				Ichiba, et al., "Cation-induced thermostability of yeast and *Escherichia coli* pyrophosphatases," *Biochem. Cell Biol.*, vol. 66, pp. 25-31 (Jan. 1988).
				Kokufuta, et al.," Use of Polyelectrolyte Complex-Stabilized Calcium Alginate Gel for Entrapment of ß-Amylase", *Biotechnology and Bioengineering*, vol. 32, pp. 756-759 (1988).
				Laurence, "Fluorescence Techniques for the Enzymologist", *Methods in Enzymology*, Vol. 4, S. P. Colowick and N.O. Kaplan, Eds., *Academic Press*, New York, 1957.
				Lenders, et al. "Chemical Stabilization of Glucoamylase from *Aspergillus niger* against Thermal Inactivation," *Biotechnology and Bioengineering*, Vol. 31, pp. 267-277 (1988).
				Leonowicz, et al., "Improvement in stability of an immobilized fungal laccase," *Applied Microbiology and Biotechnology*, Vol. 29, No. 2-3, pp. 129-135 (1988).
				Mecke, "Hydrogen Peroxide Plasma - an Interesting Microbiocidal Concept", Hygiene + Medizin, 1992:17:pp.537-543
				Olsen, et al. "Improvement of bacterial ß-glucanase thermostability by glycosylation," *Journal of General Microbiology*, Vol. 137, pp. 579-585 (1991).
↓				Redway, et al., "Effect of Carbohydrates and Related Compounds on the Long-Term Preservation of Freeze-Dried Bacteria," *Cryobiology*, Vol. 11, pp. 73-79 (1974).

EXAMINER	R Gitomer	Date Considered	12/18/03

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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)	
RG	Roth, "Fluorimetric Assay of Enzymes", *Methods of Biochemical Analysis*, Vol. 17, D. Block, Ed., *Interscience Publishers*, New York, 1969.
	Rutala et al., "Comparative evaluation of the sporicidal activity of new low-temperature sterilization technologies: Ethylene oxide, 2 plasma sterilization systems, and liquid peracetic acid", *AJIC*, Vol. 26, No. 4, August 1998, pp. 393-398
	Smith, et al., "Effect of Environmental Conditions during Heating on Commercial Spore Strip Performance," *Applied and Environmental Microbiology*, Vol. 44, No. 1, pp. 12-18 (Jul. 1982).
	Srivastava, R., "Studies on stabilization of amylase by covalent coupling to soluble polysaccharides," *Enzyme Microb. Technol.*, Vol. 13, No. 2, pp. 164-170 (Feb. 1991).
	Srivastava, R., "Effect of glycosylation of bacterial amylase on stability and active site conformation," *Indian Journal of Biochemistry & Biophysics*, Vol. 28, No. 2, pp. 109-113 (Apr. 1991).
	Sugiyama, H., "Studies on Factors Affecting the Heat Resistance of Spores of Clostridium Botulinum," *Journal of Bacteriology*, Vol. 62, pp. 81-96 (1951).
	Suwa, et al., "Effects of food emulsifiers on spoilage of canned coffee caused by thermpohilic spore-forming bacteria", (1988), pp. 706-8
	Toda, "Antimicrobial activity of polyglycerol fatty acid esters and their use in foods" (1988), pp. 69-74
	Torchilin, et al., "Stabilization of Subunit Enzymes by Intramolecular Crosslinking with Bifunctional Reagents," *Annals New York Academy of Sciences*, Vol. 434, pp. 27-30 (1984).
	Udenfriend, "Fluorescence in Enzymology", *Fluorescence Assay in Biology and Medicine, Academic Press*, New York, pp.312-348 (1962).
✓	Vesley, et al., "Fluorimetric Detection of a Bacillus stearothermophilus Spore-Bound Enzyme, α-D-Glucosidase, for Rapid Indication of Flash Sterilization Failure," *Applied and Environmental Microbiology*, Vol. 58, pp. 717-719 (Feb. 1992).

EXAMINER	RGITOMER	Date Considered	12/18/03

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